

### ABSTRACT

A novel color system capable of quantitatively and directly specifying by numeric value a wide spectrum of colors including achromatic colors, chromatic colors, colorless transparency and colored transparency. The invention provides a color specification method for displaying colors using values including: (a) a cyan color specification value for displaying the cyan density as a numeric value from 0 to 100% with transparency as a reference; (b) a magenta color specification value for displaying the magenta density as a numeric value from 0 to 100% with transparency as a reference; (c) a yellow color specification for displaying the yellow density as a numeric value from 0 to 100% with transparency as a reference; and (d) a white color specification value for displaying the white density as a numeric value from 0 to 100% with transparency as a reference.